

## CLAIM OR CLAIMS

What I claim as my invention is:

- [1] The SCAM produces a reactionless, one-directional force, in contradiction of Newton's III Law; the one-directional force is a claim of this patent.
- [2] The SCAM comprises 2 parallel plates of conducting segments distance  $a$  apart; each segment is of length  $a$ , equal to the separation; separation distance  $a$  is fixed for a particular SCAM, but this patent covers designs for any  $a$ ; the use of any separation distance  $a$  is a claim of this patent.
- [3] This patent claims all values of  $a$ .
- [4] Each conducting segment is of length  $a$ , equal to the separation; the equivalence of plate separation and segment length is a claim of this patent.
- [5] The conductors of each plate are pulsed with current  $I$  at a frequency dependent on the separation of the plates, as in FIGs 1 and 2.
- [6] The currents in the two plates are phased, as in W1 and W2 of FIG 2; these wave forms and phase relationship is a claim of this patent.
- [7] Each plate has  $M$  elements in the  $x$  direction, and  $N$  elements in the  $y$  direction;  $M$  is fixed for a particular SCAM, but this patent covers designs for any  $M$ .
- [8] Similarly  $N$  is fixed for a particular SCAM, but this patent covers designs for any  $N$ .
- [9]  $M$  and  $N$  may be equal, but they need not be equal. This patent claims all values for  $M$  and  $N$ .
- [10] The array of segments, are separated by gaps of  $(\sqrt{15} - 1)a$  parallel to current (the  $x$  direction), and by gaps of  $\sqrt{15}a$  normal to the current (the  $y$  direction)

(FIGs 5 and 8); these separations,  $(\sqrt{15} - 1)a$  and  $\sqrt{15}a$  are part of this patent; this patent claims the x and y segment separations  $(\sqrt{15} - 1)a$  and  $\sqrt{15}a$

- [11] The individual segments may be fabricated from conventional conductors or superconductors.
- [12] Although the SCAM depicted has rectangular plates, this patent covers plates of any shape.
- [13] To guard against infringement of this patent using sub-optimal geometric variation, this patent claims all dimensions and ratios specified in the specification,  $\pm 75\%$ .